

Notice of References Cited	Application/Control No. 09/674,935	Applicant(s)/Patent Under Reexamination HIRST ET AL	
	Examiner JaNa Hines	Art Unit 1645	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
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	C	US-			
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Richards et al., (1997. Vaccine. Vol. 15(10): 1065-1069)
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
*	N	WO 97/02045	01-1997	World	Williams et al.	A61K 39/00
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*	U	Hazama et al. 1993. Immunology. Vol. 78(4): 643-649.
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Art Unit

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N	WO 97/02045	01-1997	World	Williams et al.	A61K 39/00
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*	[Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages]				
U	Hazama et al. 1993. Immunology. Vol. 78(4): 643-649.				
V	Cruse et al. 1995. Illustrated Dictionary of Immunology. CRC Press Inc. pages 18-19, 33, 152 and 192.				
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Art Unit
1645

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,413,523 B1	07-2002	Clements, John D	424/241.1
	B	US-5,681,571	10-1997	Holmgren et al.	424/236.1
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	U	Marcello et al. (Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 8994-8998, September 1994).
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	09674935
Filing Date	2000-12-21
First Named Inventor	Timothy Raymond Hirst
Art Unit	1645
Examiner Name	HINES, JANA A
Attorney Docket Number	34407-503

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J.H.J.	1	WU and RUSSEL (1998). Vaccine. 16(2-3):286-92.	<input type="checkbox"/>
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Attorney Docket Number	34407-503

J.H.J.	4	EXAMINATION REPORT, Application No.: EP99922284.7, Date: 21 September 2007.	<input type="checkbox"/>
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Examiner Name	HINES, JANA A
Attorney Docket Number	34407-503

J.H./	1	JAPANESE OFFICE ACTION, Application No.: JP2000-547996, Mail Date: June 4, 2008 (with English Translation).	<input type="checkbox"/>
J.H./	2	BLANCHARD et al. (1998), Immunology, 94(1):22-27.	<input type="checkbox"/>
J.H./	3	MATOUSEK et al. (1996), Journal of Immunology, 156(11):4137-45.	<input type="checkbox"/>
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Examiner Signature	<i>John G. Gidd</i>	Date Considered	4/8/02
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
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			Filing Date	8 November 2000
			First Named Inventor	T. Hirst
			Group Art Unit	
			Examiner Name	
			Attorney Docket Number	9274
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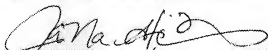
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uf		Hirst, T.R., et al., J. Applied Microbiology Symp. Supp. 84: 26S-34S (1998)	
uf		Nashar, T.O., et al., Immunology, 91: 572-578 (1997)	
uf		Nashar, T.O., et al., Med. Microbiol. Immunol. 187: 3-10 (1998)	
uf		Richards, C.M., et al., J. Infect. Dis. 177: 1451-1457 (1998)	
uf		Williams, N.A., et al., Immunology Today 20: 95-101 (1999)	
uf		Zhang, T., et al., Infect. & Immun. 63: 1349-1355 (1995)	

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
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			Filing Date		12/21/2000	
			First Named Inventor		T.R. Hirst	
			Group Art Unit		1645	
			Examiner Name		E. Fields	
			Attorney Docket Number		9274US	
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	Sobel, D.O., et al., Diabetes, 1998, 47: 186-191	<div style="text-align: right;"> <p>RECEIVED</p> <p>DEC 17 2002</p> <p>TECH CENTER 1600290</p> </div>

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Sheet 1 of 1

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Application Number	09/674,935
Filing Date	12/21/2000
First Named Inventor	T.R. Hirst
Art Unit	1645
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